NIAGARA MOHAWK POWER CORPORATION

NIAGARA A MOHAWK



300 ERIE BOULEVARD WEST SYRACUSE, N. Y. 13202

April 29, 1974

50-220

Mr. Donald J. Skovholt Assistant Director for Reactor Operations Division of Reactor Licensing United States Atomic Energy Commission Washington, D.C. 20545

Dear Mr. Skovholt:

In accordance with Technical Specifications 1.136 and 4.3.3e for

Nine Mile Point Unit 1, the enclosed Abnormal Occurrence Report is sub-

mitted. This report is in accordance with the format set forth in Regulatory Guideline 1.16.

Very truly yours,

All

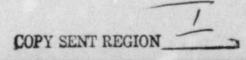
R.R. Schneider Vice President - Electric Operations

RRS/bar

303140070 740

ut an

4224



ABNORMAL OCCURRENCE REPORT

74-6

- 1. Report No.
- 2a. Date

2b. Occurrence Date

3. Facility

April 19, 1974 Nine Mile Point Unit 1

April 20, 1974

4. Identification of Occurrence

Excessive Main Steam Line Isolation Valve Leakage.

5. Conditions Prior to Occurrence

Unit 1 was shutdown for annual refueling.

6. Description of Occurrence

During the process of re-leak testing the MSIV's (AOR 50-220/74-3) the procedure called for low leakage outside isolation valves and a retest of them. During the retest the outside valve leakage (approx. 95 SCFM) exceeded 12.9 SCFH limit. This valve had already satisfied the leakage test on April 2, 1974, therefore the reason for excessive leakage on April 19, 1974 could be attributed to a not fully closed valve or particles trapped under the seat of the valve. Since the unit was shutdown during this period no hazard was presented to the general public.

7. Designation of Apparent Cause of the Occurrence

Still under investigation.

8. Analysis of Occurrence

The Main Steam Line Isolation Valve leakage through the outside valve would not present a problem during a shutdown, however prior to returning the unit to service all valves will be retested.

9. Corrective Action

The valve will be inspected to determine the exact cause of excessive leakage. If in fact, particles were caught under the seat it may become necessary to relap the valve.

10. Failure Data

At least one of these values has failed to achieve the necessary leak tightness during the annual test while the unit is shutdown. Therefore, an outside consultant has been retained to study, examine and recommend corrective action. Results of this study and corrective actions will be submitted when available. TO: MR. JAMES P. O'RICLY RO: I FROM: MR. THOMAS J. PERKINS - NINE MILE POINT ABNORMAL OCCURRENCE 50-220-74-6 MSIV LEAKAGE

APRIL 20, 1974

LECOPY

Files

PURSUANT TO TECHNICAL SPECIFICATIONS 1.13 . WE ARE REPORTING AS AN ABNORMAL OCCURRENCE THE FAILURE OF MSIV #112 TO PASS & LEAK RATE TEST AS ESTABLISHED IN TECHNICAL SPECIFICATION 4.3.3. (4) NINE MILE POINT NUCLEAR STATION UNIT #1.

ON APRIL 2, 1974, IN ACCORDANCE WITH TECHNICAL SPECIFICATION 4.3.3.e (*) THIS VALVE WAS LEAK TESTED AND SUCCESSFULLY PASSED THE TEST WITH 7.85 SCFH LEAKAGE. THE LIMIT FOR INDIVIDUAL VALVE LEAKAGE HAS BEEN ESTABLISHED AS 12.9 SCFH. ON THAT SAME DAY, AS REPORTED, THE TWO INSIDE MSIV'S FAILED TO PASS THE LEAK RATE TEST. PRIOR TO RETESTING THE FAILED INSIDE VALVES A CHECK WAS MADE OF THE OUTSIDE VALVES. LEAKAGE THRU #112 WAS DISCOVERED TO BE EXCESSIVE (98.4 SCFH).

THE CAUSE FOR THIS CHANGE IS UNDER INVESTIGATION ALTHOUGH IT IS SUBJECTED THAT DIRT PARTICLES MAY HAVE BEEN TRAPPED UNDER THE SEAT OR THAT VALVE PACKING LEAKAGE MAY HAVE CAUSED THIS CHANGE.

THE UNIT WAS DOWN FOR REFUELING AT THE TIME SO NO HAZARD WOULD HAVE BEEN PRESENTED TO THE GENERAL PUBLIC. THE VALVE HAS BEEN DEMONSTRATED TO BE WITHIN SPECIFICATIONS IMMEDIATELY FOLLOWING SHUTDOWN.

> THOMAS J. PERKINS STATION SUPERINTENDENT